

WHAT IS CLAIMED IS:

1. A method for treating aberrant immune responses in a sample of ex vivo peripheral blood mononuclear cells (PBMCs) comprising adding a regulatory composition to said population.  
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2. A method for treating an autoimmune disorder in a patient comprising:
  - a) removing peripheral blood mononuclear cells (PBMC) from said patient;
  - b) treating said cells with a regulatory composition for a time sufficient to suppress aberrant immune responses; and  
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  - c) reintroducing said cells to said patient.
3. A method according to claim 1 or 2 wherein said immune response is an antibody-mediated immune response.  
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4. A method according to claim 1 or 2 wherein said immune response is a cell-mediated immune response.  
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5. A method according to claim 3 wherein said immune response is a cell mediated immune response.  
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6. A method according to claim 4 wherein said immune response is cytotoxicity.  
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7. A method according to claim 1 wherein said PBMCs comprise CD8+ T cells and said regulatory composition comprises TGF- $\beta$ .  
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8. A method according to claim 7 wherein said treatment comprises the prevention of T cells from becoming cytotoxic.  
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9. A method according to claim 7 wherein said treatment comprises a decrease in IL-10 production.  
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10. A method according to claim 7 wherein said treatment comprises the production of increased levels of TNF- $\alpha$ .  
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11. A method according to claim 7 wherein said treatment comprises the production of increased levels of TNF- $\alpha$ , IL-2 and IFN- $\gamma$ .  
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12. A method according to claim 1 or 2 wherein said PBMCs comprise CD4+ T cells and said regulatory composition comprises TGF- $\beta$ .  
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13. A method according to claim 12 wherein said treatment comprises the prevention of T cells from becoming cytotoxic.

14. A method according to claim 12 wherein said treatment comprises a decrease in IL-10 production.

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15. A method according to claim 12 wherein said treatment comprises the production of increased levels of TNF- $\alpha$ .

16. A method according to claim 12 wherein said treatment comprises the production of increased levels of TNF- $\alpha$ , IL-2 and IFN- $\gamma$ .

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17. A method according to claim 12 wherein said treatment comprises treating naive CD4+ T cells with a stimulant such that said CD4+ cells produce immunosuppressive levels of active TGF- $\beta$

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18. A method according to claim 12 wherein said treatment comprises stimulating naive CD4+ T cells in the presence of TGF- $\beta$  to expand said CD4+ cell population.

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19. A method according to claim 12 wherein said regulatory composition comprises CD2 activators.

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20. A method according to claim 12 wherein said regulatory composition comprises TGF- $\beta$ .

21. A kit for the treatment of an autoimmune disorder comprising:

a) a cell treatment container adapted to receive cells from a patient with an autoimmune disorder; and

b) at least one dose of an regulatory composition.

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22. A kit according to claim 21 wherein said autoimmune disorder is an antibody-mediated disease.

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23. A kit according to claim 21 wherein said autoimmune disorder is an cell-mediated disease.